

Inspectorate America  
104 Thadeus Street  
South Portland, Maine 04106  
(207)767-1711



## QUALITY CERTIFICATE

Vessel	P-460	Port	PORTSMOUTH, NH	Report	PL04-691
Customer	SPRAGUE	Date	December 17, 2004	Reference	
Operation	ANALYSIS	Terminal	GOSLING ROAD	Sample #	702131

Name of material being tested  
Description of sample source  
Samples Drawn by (company)  
Samples Tested by (company)

**#6 F.O. ( 1.0% SULPHUR )**

**TANK 2**

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Tests being Performed	Test method	Sample Results
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GRAVITY, API	ASTM D 4052	10.9
SULPHUR, WT. %	ASTM D 4294	0.973
VISCOSITY SSF @ 122F	ASTM D 445/2161	92.9
POUR POINT, F.	ASTM D 97	37.4
FLASH POINT, F.	ASTM D 93B	186
WATER BY DISTILLATION	ASTM D 95	0.1
VANADIUM	IP 470	32
WATER & SEDIMENT, % VOL.	ASTM D 1796	0.10
VISCOSITY CST @ 50C	ASTM D 455	196.3
SODIUM	IP 470	19
BTU'S POUND	ASTM D 240	18,355
BTU'S GALLON	CONVERSION	151,906
ASH	ASTM D 482	0.061
CARBON RESIDUE, MCRT	ASTM D 4530	12.45
SEDIMENT BY EXTRACTION	ASTM D 473	0.04
ASPHALTINES, % WT.	IP 143	4.67
NITROGEN, % WT.	ASTM D 3228M	0.367
SULPHUR, WT. %	ASTM D 4294	
PL04-691-2	UPPER	0.971
PL04-691-13	MIDDLE	0.975
PL04-691-14	LOWER	0.974

SPRAGUE PROVIDES THE ATTACHED INSPECTION REPORT/ANALYSIS REPRESENTING THE SPECIFICATIONS OF THE PRODUCT AT THE SPRAGUE TERMINAL IN TANK ON THE DATE OF INSPECTION NOTED ON THE CERTIFICATE. THIS ANALYSIS IS PROVIDED TO THE CUSTOMER FOR THE PURPOSE OF ESTABLISHING THE INDEPENDENTLY VERIFIED PRODUCT SPECIFICATION ON A COMPOSITE BASIS IN SPRAGUE'S TERMINAL SHORE TANK AS NOTED ON THE CERTIFICATE. THE INSPECTION REPORT IS NOT TO BE USED FOR ANY OTHER PURPOSE. SPRAGUE DISCLAIMS ANY LIABILITY FOR THE PRODUCT AFTER DELIVERY BY SPRAGUE TO CUSTOMER. SPRAGUE DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR AN INTENDED USE EXCEPT AS MAY BE SPECIFICALLY SET FORTH IN WRITING IN ANY CONTRACT OR TERMS OF SALE BETWEEN SPRAGUE AND A BUYER OF PRODUCT. SPRAGUE ASSUMES NO LIABILITY FOR CLAIMS OR LOSSES THAT MAY ARISE FROM CUSTOMER'S USE OF THIS INSPECTION REPORT/ANALYSIS.

DAVID CAWOOD

*Inspectorate America Corp (Portland Me.)*